



COMMONWEALTH OF MASSACHUSETTS  
EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
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November 2007

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## Monitoring Waivers Program

2008 - 2010 Compliance Period

### Information Sheet

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| 9-Year Waiver Compliance Cycle 2002-2010 |                                     |                                     |
|--|-------------------------------------|-------------------------------------|
| 1 <sup>st</sup> Period<br>2002-2004      | 2 <sup>nd</sup> Period<br>2005-2007 | 3 <sup>rd</sup> Period<br>2008-2010 |

The third compliance period in the 9-year compliance cycle is approaching. The monitoring waiver application for this third period (2008-2010) has been simplified. MassDEP will retrieve most information about your system's sources electronically from state databases instead of requesting the information in hard copy from the public water systems (PWS).

Please fill out the simplified application form and send it to:

MassDEP  
DWP-Monitoring Waiver Program – 5<sup>th</sup> Floor  
1 Winter Street  
Boston, MA 02108

Waivers can be requested for each source for VOCs, SOC's, and IOC's including arsenic and perchlorate. The source must have the required source protection measures in place, current treatment information, required monitoring laboratory reports<sup>1</sup> on file with MassDEP, and monitoring report results that do not exceed acceptable levels. Class B River sources are ineligible for monitoring waivers. Please read the three sections below for more detail. If you are unsure of your current waiver status please consult your MassDEP sampling schedule.

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<sup>1</sup> Please note that all monitoring reports must meet quality assurance and quality control criteria and be accepted by MassDEP prior to entry in the state database. Any outstanding rejected reports must be corrected, resubmitted either electronically or by hard copy, and accepted by MassDEP before entry into the database.

## **Volatile Organic Compounds (VOC)**

310 CMR 22.07B

Every Community and Non-transient Non-community source is required to initially sample for 4 consecutive quarters in each 3-year compliance period. Sources that do not detect a contaminant during this initial compliance period are reduced to annual sampling. Systems may apply for a VOC waiver for their sources that would further reduce their sampling to 1 sample in every 3-year compliance period.

In order to be eligible for a VOC waiver the source must not be treated for VOCs, have the required number of VOC monitoring reports in the MassDEP database and have one report from the last three-year compliance period (2005-2007). The source must not have **any** historical VOC detects. (Does not apply to trihalomethane compounds: chloroform, bromoform, chlorodibromomethane, and bromodichloromethane.)

Source protection issues must also be met; no threatening land uses within the Zone I, II and/or A, B, C or IWPA of the sources, and minimum source protection requirements must be met (310 CMR 22.20B and 310 CMR 22.21). It is important that the source protection section on the application be complete so that MassDEP can update its records. Your SWAP report can assist you as a starting point. All threatening land uses must be noted on the application, including those found since the SWAP report had been made.

## **Synthetic Organic Compounds (SOC)**

310 CMR 22.07A

Every Community and Non-transient Non-community source is required to initially sample for 4 consecutive quarters in each 3-year compliance period. Sources that do not detect a contaminant during this initial compliance period are reduced to two quarters in one year during each 3-year compliance period for systems serving greater than 3300 people and once every 3-year compliance period for systems serving 3300 people or fewer. Systems may apply for an SOC waiver that would waive source sampling for the 3-year compliance period.

The requirements to obtain an SOC waiver vary depending on whether or not your source has an existing waiver:

- If the source does not have an existing waiver, the source must not be treated for SOC's and have an acceptable SOC monitoring report in the MassDEP database collected during the 2005-2007 period.
- If the source has an existing SOC waiver from the 2005-2007 period, no monitoring report is needed to renew for the 2008-2010 period.

Source protection issues must also be met; no threatening land uses within the Zone I, II and/or A, B, C or IWPA of the sources, and minimum source protection requirements must be met (310 CMR 22.20B and 310 CMR 22.21). It is important that the source protection section on the application be complete so that MassDEP can update its records.

Your SWAP report can assist you as a starting point. All threatening land uses must be noted on the application, including those found since the SWAP report had been made.

*SOC Notes:*

*1. For sources with renewals: Please plan ahead. Be aware that the 3-year compliance period of 2011-2013 is also the start of new 9-year compliance cycle dating 2011-2019. In order to be eligible for an SOC waiver in the 2011-2013 period, the source must have an acceptable “recent” SOC monitoring result in the MassDEP database. Please plan your budgets to accommodate this SOC sampling. The last quarter of 2010 or any quarter in the 2011-2013 will be accepted as “recent.”*

| 9-Year Waiver Compliance Cycle 2002-2010 |                                     |                                     | 9-Year Waiver Compliance Cycle 2011-2019 |                                     |                                     |
|--|-------------------------------------|-------------------------------------|--|-------------------------------------|-------------------------------------|
| 1 <sup>st</sup> Period<br>2002-2004      | 2 <sup>nd</sup> Period<br>2005-2007 | 3 <sup>rd</sup> Period<br>2008-2010 | 1 <sup>st</sup> Period<br>2011-2013      | 2 <sup>nd</sup> Period<br>2014-2016 | 3 <sup>rd</sup> Period<br>2017-2019 |

*2. There is a Massachusetts statewide waiver for diquat, endothall, glyphosate, and dioxin. However, some surface water sources will be required to test for diquat if diquat has been used as an herbicide near public drinking water sources.*

*3. There is a Massachusetts statewide waiver for ethylene dibromide (EDB) and dibromochloropropane (DBCP) for surface water sources only.*

## Inorganic Compounds (IOC)

310 CMR 22.06

Every Community and Non-transient Non-community ground water source is required to sample once every 3-year compliance period and surface water sources must sample once each year. Systems may apply for an IOC waiver that would reduce sampling to one sample every 9-year compliance cycle. An IOC waiver lasts for the entire 9-year compliance cycle and does not need to be renewed every 3-year period.

In order to be eligible for the first time for an IOC waiver, ground water sources must not be treated for IOC contaminants, have one monitoring sample report from a sample collected in the 2005-2007 compliance period, and two previous compliance monitoring results in the MassDEP database. Surface water sources must have results from the past three years in the MassDEP database. Sources that have existing IOC waivers (from the 2002-2004 and/or 2005-2007 compliance periods) need not apply for the 2008-2010 compliance period as those previous waivers are valid for the entire 9-year cycle ending in 2010.

Source protection issues must also be met; no threatening land uses within the Zone I, II and/or A, B, C or IWPA of the sources, and minimum source protection requirements must be met (310 CMR 22.20B and 310 CMR 22.21). It is important that the source protection section on the application be complete so that MassDEP can update its records.

Your SWAP report can assist you as a starting point. All threatening land uses must be noted on the application, including those found since the SWAP report had been made.

*IOC Notes:*

- 1. Arsenic and perchlorate waivers are handled separately from the regular IOC suite. See below for information on these two contaminant waivers.*
- 2. There are no waivers for sodium; therefore, all sources must test for sodium.*
- 3. There is a statewide waiver for source testing of asbestos. Systems with asbestos-cement pipe are required to test for asbestos within their distribution system; no waivers of this testing are allowed.*

## **Arsenic Waiver**

Sources wishing to apply for an arsenic waiver must not treat for arsenic, meet satisfactory land use criteria, and have the following acceptable monitoring data in the MassDEP database:

**Groundwater Sources:**

- one arsenic result collected since January 1, 2005 and
- two additional compliance period arsenic sample results and
- all sample results must meet the arsenic data criteria discussed below.

**Surface Water Sources:**

- 3 annual arsenic results collected since January 1, 2005 and
- all sample results submitted must meet the arsenic data criteria discussed below.

**Arsenic Data Criteria:** In January 2006 the arsenic MCL was lowered from 0.05 mg/L to 0.010 mg/L. Accordingly, as IOC waivers cover the entire 9 year compliance cycle (2002 – 2010), all arsenic monitoring data must meet the following criteria:

- Arsenic analyses must have been completed by EPA Methods 200.8 or 200.9; SM 3113B or 3114B; or ASTM D-2972-97B or D-2972-97C and
- Reported laboratory detection limits must be below 0.005 mg/L.

## **Perchlorate Waiver**

Systems may apply for a perchlorate waiver for their sources that would further reduce their sampling to 1 sample in every 3-year compliance period.

Sources wishing to apply for a perchlorate waiver must not treat for perchlorate, meet satisfactory land use criteria, and have the following acceptable monitoring data in the MassDEP database:

#### Groundwater Sources

- one perchlorate result collected since January 1, 2007 and
- two additional perchlorate sample results, one collected in the month of April and the other collected in the month of September since January 1, 2004.

#### Surface Water Sources:

- one perchlorate result collected since January 1, 2007 and
- four quarterly perchlorate sample results (one for each of the four quarters) collected since January 1, 2004.

Additional source protection issues must also be met to be eligible for a perchlorate waiver. No fireworks display permits must have been issued for any location within the Zone II of a groundwater source, or Zones A and B of a surface water source, since January 1, 2006. Furthermore, the supplier shall verify that no blasting permits have been issued for any location within the Zone II or Zones A and B since January 1, 2006. Blasting permits are issued by local fire departments.

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Please fill out the application form on the following pages and submit to MassDEP; DWP-Monitoring Waiver Program – 5<sup>th</sup> Floor; 1 Winter Street; Boston, MA 02108.

Deadline date: December 21, 2007.

Application form also available on the web at

<http://www.mass.gov/dep/water/approvals/dwsforms.htm#wivers>.

#### Questions?

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| Boston: | <a href="mailto:Marie.Tennant-DEP@state.ma.us">Marie.Tennant-DEP@state.ma.us</a> | 617-292-5885 |
| CERO:   | <a href="mailto:Paula.Caron@state.ma.us">Paula.Caron@state.ma.us</a>             | 508-767-2719 |
| NERO:   | <a href="mailto:James.Persky@state.ma.us">James.Persky@state.ma.us</a>           | 978-694-3227 |
| SERO:   | <a href="mailto:Isabel.Collins@state.ma.us">Isabel.Collins@state.ma.us</a>       | 508-946-2726 |
| WERO:   | <a href="mailto:Richard.Larson@state.ma.us">Richard.Larson@state.ma.us</a>       | 413-755-2207 |